



MV Aerial Bundle Cable (ABC) Light/Heavy Duty Screen 12.7/22kV



Eland Product Group:C1H

APPLICATION

Medium Voltage aerial bundled cable for secondary overhead lines on poles or as feeders to residential premises.

CHARACTERISTICS

Voltage Rating U/Uo: 12.7/22kV

CONSTRUCTION

Conductor

Class 2 Circular compacted stranded Aluminium

Conductor Screen

Extruded semi-conductive layer

Insulation

XLPE (Cross-linked polyethylene)

Insulation Screen

Extruded semi-conductive layer

Metallic Screen

Copper wire screen or copper tape screen

Separator

Semi-conductive swellable tape

Outer Sheath

HDPE (High Density polyethylene)

Support Conductor

Galvanised steel wires

Sheath Colour

● Black

STANDARDS

IEC 60502-2 / AS/NZS 3599-1, BS2627,

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

LIGHT DUTY SCREEN

ELAND PART NUMBER	NO. CORES	NOMINAL CROSS SECTIONAL AREA mm ²	THICKNESS OF INSULATION mm	COPPER WIRE SCREEN STRANDING No x mm ²	NOMINAL THICKNESS SHEATH mm	GALVANISED STEEL WIRE STRANDING No x mm ²	NOMINAL SECTIONAL AREA MM ²	BREAKING LOAD KN
C1H22KVS3035/7	3	35	5.5	25/0.85	1.8	7/2.00	62.7	2280
C1H22KVS3035	3	35	5.5	25/0.85	1.8	19/2.00	66.7	2580
C1H22KVS3050	3	50	5.5	25/0.85	1.8	19/2.00	69.0	2780
C1H22KVS3070	3	70	5.5	25/0.85	1.9	19/2.00	72.6	3110
C1H22KVS3095	3	95	5.5	25/0.85	1.9	19/2.00	76.0	3460
C1H22KVS3120	3	120	5.5	25/0.85	2.0	19/2.00	79.2	3810
C1H22KVS3150	3	150	5.5	25/0.85	2.0	19/2.00	82.8	4230
C1H22KVS3185	3	185	5.5	25/0.85	2.1	19/2.00	86.2	4650

DIMENSIONS

HEAVY DUTY SCREEN

ELAND PART NUMBER	NO. CORES	NOMINAL CROSS SECTIONAL AREA mm ²	THICKNESS OF INSULATION mm	COPPER WIRE SCREEN STRANDING No x mm ²	NOMINAL THICKNESS SHEATH mm	GALVANISED STEEL WIRE STRANDING No x mm ²	NOMINAL SECTIONAL AREA MM ²	BREAKING LOAD KN
C1H22KVHS3035/7	3	35	5.5	40/0.85	1.8	7/2.00	62.7	2510
C1H22KVHS3035	3	35	5.5	40/0.85	1.8	19/2.00	66.7	2810
C1H22KVHS3050	3	50	5.5	23/1.35	1.8	19/2.00	71.0	3300
C1H22KVHS3070	3	70	5.5	32/1.35	1.9	19/2.00	74.6	3970
C1H22KVHS3095	3	95	5.5	39/1.35	1.9	19/2.00	78.0	4600
C1H22KVHS3120	3	120	5.5	39/1.35	2.0	19/2.00	81.2	4950
C1H22KVHS3150	3	150	5.5	39/1.35	2.0	19/2.00	84.8	5360
C1H22KVHS3185	3	185	5.5	39/1.35	2.1	19/2.00	88.2	5790

TECHNICAL INFORMATION

NOMINAL CROSS SECTION mm ²	CONTINUOUS CURRENT RATING		
	STILL AIR A	1M/S WIND A	2M/S WIND A
35	105	145	165
50	125	170	200
70	150	215	250
95	180	260	300
120	205	300	350
150	230	340	395
185	265	390	450